

PROCEEDINGS
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THREE NEW PHILIPPINE ISLAND LAND SHELLS.

BY PAUL BARTSCH.*

Among a sending of land shells from Palawan and the adjacent islands, transmitted to the U. S. National Museum for determination, are three new forms that require names, which are here bestowed.

Camaena trailli weberi, new subspecies.

This race strongly resembles *Camaena trailli bugsukensis* in outline and coloration but is a giant in comparison. The two specimens before me, Cat. No. 219,056, U. S. N. M., were collected by Mr. Weber at Bulilikan, on the extreme tip of southern Palawan. They yield the following measurements:

Nepionic whorls	Post nepionic whorls	Altitude	Greater Diameter	Lesser Diameter
2.2	3.0	51.7	54.0	42.0 Type
2.4	3.0	48.1	53.5	42.4

The second specimen is considerably paler than the first and the median band on the upper surface of the whorls is less pronounced. When compared with *Camaena trailli trailli* Pfr., which is said to have come from Palawan Passage (the specific island is not yet known), it is at once distinguished by the much weaker axial sculpture, which consists of mere lines of growth. In *Camaena trailli trailli* this is specialized into slender irregularly disposed wavy retractively slanting threads.

Mr. Weber states that these mollusks are found crawling on trunks of trees during rainy weather, seldom near the sea, and that specimens from the foothills grow larger than those of lower levels.

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***Camaena trailli bugsukensis*, new subspecies.**

This, the smallest known race of *Camaena trailli*, comes from the island of Bugsuk off southeastern Palawan. Three specimens donated to the U. S. National Museum, Cat. No. 219,055, from this locality, yield the following measurements:

	Nepionic whorls	Postnepionic whorls	Altitude	Greater Diameter	Lesser Diameter
1	2.3	2.4	35.2	38.8	32.0 Type
2	2.4	2.4	33.6	38.5	32.3
3	2.2	2.7	36.2	41.8	33.1

The present race is a brightly colored one. The upper surface of the whorls has the usual brownish surface. All the three specimens before me have a narrow dark brown band at the summit and another of the same shade of about double the width, at the periphery, the latter being flanked on each side by a light zone as wide or wider than the dark band. Number one has a broad band paler than the peripheral, but almost as wide, in the space between the peripheral band and that at the summit. This is not quite median but a little nearer the periphery than the summit. In number two this band is absent while in number three it is reduced to a narrow line. All three have a dark basal band about three times as wide as the peripheral and of the same shade as that. The pale space between the peripheral dark band and the basal is a little wider than the peripheral zone. The anterior half of the base is buff. The peristome of the aperture is a little darker than the dark brown color bands. The inner edge of the columella at its insertion is bluish.

Mr. Weber states that these mollusks were found clinging to leaves and on trunks of trees and that they hide in hollow trees and crevices during dry weather.

***Cochlostyla palawanensis bancalanensis*, new subspecies.**

Four shells collected by Mr. Weber at Bancalan Island are sufficiently distinct from any of the known races of *Cochlostyla palawanensis* to merit a trinomial designation. They have the apical whorls livid pink; in the *Cochlostyla palawanensis palawanensis* they are usually white. The whorls are uniformly more inflated with the aperture comparatively larger and more flaring than in *Cochlostyla palawanensis palawanensis*.

The narrow dark band at the suture in *Cochlostyla palawanensis palawanensis* is wanting here or only indicated by a line of small dark spots. There are two color phases of this subspecies in the sending of which Mr. Weber states: Col. 027, Cat. No. 219,046, U. S. N. M. "Found crawling on trunks of trees and clinging to leaves of bushes from within

a few feet of the sea to the center of the island." This is the dark colored phase in which the ground color of the last whorl is chocolate brown and the interior decidedly blue. Col. No. 028, Cat. No. 219,047, U. S. N. M., has the ground color of the last whorl buff and the interior pale blue. Of this Mr. Weber says that it has the same habit as the last, but is very rare.

The four specimens yield the following measurements:

Cat. No. U. S. N. M.	No. whorls	Altitude	Greater Diameter	Lesser Diameter
219046	5.5	45.8	29.2	25.0 Type
219046	5.5	46.0	27.8	24.3
219047	5.5	43.7	27.2	23.3
219047	5.8	44.0	25.9	22.5